

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12-4 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12-4)</b>	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	<b>SES</b> (Page __ of __)
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Type of Equipment/Vehicles/Motorized Equipment	
<input checked="" type="checkbox"/> Field Service Trailer <input checked="" type="checkbox"/> Excavators <input checked="" type="checkbox"/> Loader <input checked="" type="checkbox"/> Track Dozer <input checked="" type="checkbox"/> Skid Steer Loader <input checked="" type="checkbox"/> Frac Tank <input checked="" type="checkbox"/> Generator <input type="checkbox"/> Water Buffalo <input type="checkbox"/> Sawzail	<input type="checkbox"/> Roll-off Tractor Truck <input checked="" type="checkbox"/> Roll-off containers <input type="checkbox"/> Dump Truck/Triaxle <input type="checkbox"/> Dump Trailers <input checked="" type="checkbox"/> Pickup Utility Trucks <input checked="" type="checkbox"/> Sump Pump <input type="checkbox"/> Trench Box <input type="checkbox"/> NaOH Storage Tank <input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below
<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP <input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT <input checked="" type="checkbox"/> PRE-TASK PLANNING FORM <input type="checkbox"/> CONFINED SPACE ENTRY PERMIT <input type="checkbox"/> OTHERS (LIST)

Anticipated Project Risks and Hazards Identification <small>Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)</small>			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
Anticipated Project Required Precautions & Protective Measures <small>Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)</small>			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	



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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

<b>Required Personal Protective Equipment (PPE)</b> Identify the source/s used and check the appropriate boxes											
		<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS		<input type="checkbox"/> BASF Knowledge		<input type="checkbox"/> Work Provider Knowledge		<input type="checkbox"/> Prior SWP	
YES	NO	ITEM	YES	NO	Item						
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic		<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants				
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields		<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants				
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust		<input checked="" type="checkbox"/>	Personal Fall Protection Equipment						
	<input checked="" type="checkbox"/>	Faceshield	<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work				
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs	<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank						
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face	<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other				
	<input checked="" type="checkbox"/>	Dust Mask		<input checked="" type="checkbox"/>	Welding Protection						
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing		<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces						
<input checked="" type="checkbox"/>		Eyewash Station	<input checked="" type="checkbox"/>		Mobile phone or radios						
<input checked="" type="checkbox"/>		Tyvek Suits	<input checked="" type="checkbox"/>		Insect repellent, sunscreen						
		Other PPE (list)	<input checked="" type="checkbox"/>		High-visibility, reflective vest						

<b>Training Requirements</b>		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –

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<b>STRATEGIC ENVIRONMENTAL SERVICES</b>  <b>PRE-TASK PLAN (PTP)</b>	<b>PROJECT / JOB / TASK (Description):</b> BASF Cranston/CMI Implementation	<b>LOCATION:</b> 180 Mill Street, Cranston, RI	<b>DATE</b>
<b>SES SUPERVISOR:</b> <i>Brian Rote</i>			

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)





**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

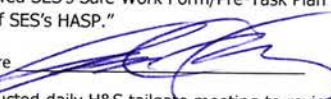
[illegible]



**AEC**  
Consultants

Date: 12/5/2018

Temp: 37-22  
(Hi - low)

PERSONNEL/EQUIPMENT			(Hi - low)	
Contractor	No.		Owner/Representative:	N/A
		Superintendent		
	1	Foremen	SES	
		H&S/QA Officer		
	1	Operators	SES	
	1	Laborers	SES	
		Other Trades (Surveyor)		
SubContractor No. Company/Firm			AEI Personnel: Aaron Ting 1	
	5	Warwick Tree	Josh Klement	1
			Rick Kowalski	1
			ACT 121518 CL	
11 10 Total Personnel On Site ACT 121518 RE			Visitors On Site: N/A	
MAJOR EQUIPMENT:			EQUIPMENT/MATERIALS RECEIVED:	
1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators			demobilized 20,000 gallon frac tank	
CAT 996H Loader, 5 and 1 micron filters, vibratory roller				
carbon filtration system, CAT D3C dozer				
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks				
4,000 gallon baffle, 10,000 gallon				
WORK COMPLETED:				
Emplaced about 1,103 square feet of Mirafi 180N geotextile fabric. About 34% of the total site has been covered with the geotextile/soil cover. Rolled the processed gravel with the vibratory roller.				
AEI collected a concrete sample from one location that had soil directly above non-compliant with the PCB cleanup criteria.				
Received USEPA and RIDEM approval related to the CMI WP alterations. Informed SES so they may proceed with backfilling excavations within the approved areas.				
PCB results received within the floodway identified very high PCB concentrations in deeper soils (6 feet bgs). SES provided pricing and schedule to AEI. Change request for BASF forthcoming.				
Warwick Tree onsite to remove large tree. Tree was chipped and hauled offsite by Warwick Tree. Stump was pulled by SES and added to railcars. Stump weight about 4.1 tons				
AEI setup perimeter dust monitors and no dust alerts observed onsite.				
HEALTH & SAFETY:				
AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP.				
AEI Signature 				
SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised. Separate PTP/SWP for Warwick Tree. See attached documentation				
ISSUES/CHANGES/RESOLUTIONS:				
See above. Change request forthcoming for work to re-dig southwest excavation adjacent to TP-5 that contained non-compliant PCB-impacted soils.				
DISCUSSIONS/CLIENT DIRECTION:				
N/A				



## DAILY WORKSHEET

Date: 12-5-18

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST  
CRANSTON RI

Contact:

### PROJECTS NOTES

MOB TO SITE TAILGATE SAFETY. SETUP ROLL OUT SMALL PIECE OF LINER @ CB11450 ROLL OUT FABRIC AND COVER + COMPACT AS OF TODAY AROX 34% COVER. WARWICK TACKLE SHOWED @ 10:30 H35 TOOK TREE DOWN AND SFS REMOVED STUMP AND PLACE IN RAIL CAR ~~FROM~~ STARTED TO UNTANGLE LINER THAT WIND TOOK. CLEANUP SECURE + GO BACK TO SITE

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B. ROPE	FS	5:30	6:30	15:00	16:00
C. MCCARTHY	FT	6:30	7:00	15:00	15:30
J. LEBLOND	OP	6:30	7:00	12:00	12:30

### MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 966 LOADER
1	CAT SKID
1	ROLLER
1	CAT 320 SFS
1	ROLL OFF GRATE
1	TOILET

### SUBCONTRACTORS

### WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_





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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12-5)</b>	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	<b>SES</b> (Page __ of __)
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Type of Equipment/Vehicles/Motorized Equipment	
<input checked="" type="checkbox"/> Field Service Trailer <input checked="" type="checkbox"/> Excavators <input checked="" type="checkbox"/> Loader <input checked="" type="checkbox"/> Track Dozer <input checked="" type="checkbox"/> Skid Steer Loader <input checked="" type="checkbox"/> Frac Tank <input checked="" type="checkbox"/> Generator <input type="checkbox"/> Water Buffalo <input type="checkbox"/> Sawzail	<input type="checkbox"/> Roll-off Tractor Truck <input checked="" type="checkbox"/> Roll-off containers <input type="checkbox"/> Dump Truck/Triaxle <input type="checkbox"/> Dump Trailers <input checked="" type="checkbox"/> Pickup Utility Trucks <input checked="" type="checkbox"/> Sump Pump <input type="checkbox"/> Trench Box <input type="checkbox"/> NaOH Storage Tank <input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below
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Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

**Required Personal Protective Equipment (PPE)** Identify the source/s used and check the appropriate boxes

☐ PPE GRID   
 ☒ MSDS   
 ☐ BASF Knowledge   
 ☐ Work Provider Knowledge   
 ☐ Prior SWP

YES	NO	ITEM	YES	NO	Item
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic		<input checked="" type="checkbox"/>	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields		<input checked="" type="checkbox"/>	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust		<input checked="" type="checkbox"/>	Personal Fall Protection Equipment
	<input checked="" type="checkbox"/>	Faceshield	<input checked="" type="checkbox"/>		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs	<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face	<input checked="" type="checkbox"/>		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask		<input checked="" type="checkbox"/>	Welding Protection
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing		<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces
<input checked="" type="checkbox"/>		Eyewash Station	<input checked="" type="checkbox"/>		Mobile phone or radios
<input checked="" type="checkbox"/>		Tyvek Suits	<input checked="" type="checkbox"/>		Insect repellent, sunscreen
		Other PPE (list)	<input checked="" type="checkbox"/>		High-visibility, reflective vest

**Training Requirements**

Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



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<b>STRATEGIC ENVIRONMENTAL SERVICES</b>  <b>PRE-TASK PLAN (PTP)</b>	<b>PROJECT / JOB / TASK (Description):</b> BASF Cranston/CMI Implementation	<b>LOCATION:</b> 180 Mill Street, Cranston, RI	<b>DATE</b>
<b>SES SUPERVISOR:</b> <i>Brian Roiz</i>			

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
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<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard / Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12-5)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			


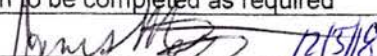
**Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:**  
 Reminded SES/AEI personnel about tree work and safety precautions.



## Safe Work Permit


Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes										
		<input type="checkbox"/> PPE GRID	<input type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input checked="" type="checkbox"/> Work Provider Knowledge			<input type="checkbox"/> Prior SWP		
YES	NO	ITEM			YES	NO	Item			
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic				<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants	
<input checked="" type="checkbox"/>		Safety Glasses				<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants	
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust			<input checked="" type="checkbox"/>		Personal Fall Protection Equipment			
	<input checked="" type="checkbox"/>	Faceshield			<input checked="" type="checkbox"/>		Gloves	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> Work	
<input checked="" type="checkbox"/>		Hearing Protection <input type="checkbox"/> Plugs <input checked="" type="checkbox"/> Muffs			<input checked="" type="checkbox"/>		Safety Shoes			
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face				<input checked="" type="checkbox"/>	Boots	<input type="checkbox"/> Rubber	<input type="checkbox"/> Other	
	<input checked="" type="checkbox"/>	Dust Mask				<input checked="" type="checkbox"/>	Welding Protection			
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing				<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces			
<input checked="" type="checkbox"/>		OTHER PPE (Sawcutting PPE)								

Training Requirements		
Need	N/A	Area
	<input checked="" type="checkbox"/>	BASF Safety Orientation
	<input checked="" type="checkbox"/>	MSDS reviews
<input checked="" type="checkbox"/>		Review of required precautions listed above
<input checked="" type="checkbox"/>		Review of required PPE listed above
	<input checked="" type="checkbox"/>	Other training (specify) -

Permit Issuer (PI) Authorization to work	Permit Acceptor (PA) Agreement / Verification
<input checked="" type="checkbox"/> Notified all teams of work area	<input type="checkbox"/> Acknowledge & Agree to listed requirements
<input checked="" type="checkbox"/> Completed review of all sections above	<input type="checkbox"/> A copy of this SWP will be kept at the work area
<input checked="" type="checkbox"/> Work to start within 2 hours of listed Start Date / Time	<input type="checkbox"/> I understand written and spoken English and have means to communicate with my employees who cannot
<input checked="" type="checkbox"/> Reviewed requirements with Permit Acceptor	<input type="checkbox"/> All personnel have been trained in required PPE
	<input type="checkbox"/> All personnel will be informed of listed requirements
	<input type="checkbox"/> Safety orientation to be completed as required
PI Signature / Date  12/5/18	PA Signature / Date  12/5/18

Permit Issuer (PI) Verification of Completion	Permit Acceptor (PA) Verification of Completion
<input checked="" type="checkbox"/> Post-work review of work site okay	<input type="checkbox"/> Servicing or Maintenance Work activities completed
<input checked="" type="checkbox"/> Equipment / area control returned to BASF	<input type="checkbox"/> Tools, equipment, materials removed from work site
<input checked="" type="checkbox"/> Reports / other documentation received	<input type="checkbox"/> All personnel out of work area
<input checked="" type="checkbox"/> Reviewed the noted problem list with provider	<input type="checkbox"/> Work site as clean as when work started
Problems noted by the servicing or maintenance permit acceptor or those doing the work	
Found	Fixed
Left Unfixed	Details
PI Signature / Date  12/5/18	PA Signature / Date  12/5/18



<b>BASF</b> INACTIVE SITES	<b>SAFE WORK PERMIT</b>	 <b>BASF</b> The Chemical Company
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<b>Servicing or Maintenance Work Description</b>		
Description of Work: <u>BASF Cranston, Large Tree Removal Along Mill Street</u>		
Start Date / Time <u>12/5/18 1030</u>		
Location of Work	<u>180 Mill St, Cranston RI (Lot 1102)</u>	

<b>Servicing or Maintenance Work Provider Identification</b>		
Company Name <u>Warwick Tree (Sub to SES)</u>	# personnel	<u>5</u>
Contact Person <u>Tom James</u>	# / type vehicles	<u>3 - bucket trucks (2), support truck (1)</u>
Contact phone #		

<b>This work also requires the use of the permits checked below</b>	
<input checked="" type="checkbox"/>	CONTRACTOR SAFETY PLAN DOCUMENTS
<input type="checkbox"/>	LOCK, TAG, AND TRY PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT

<b>Risks and Hazards Identification</b> Identify the source/s used and include necessary specific information			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
<input checked="" type="checkbox"/>		Pre-work Inspection of the work site	
	<input checked="" type="checkbox"/>	MSDS review / includes any 'new' chemicals	<u>Adjacent road / traffic, power lines, staging of equip.</u>
<input checked="" type="checkbox"/>		Crane Operations	<u>See JSA #</u>
<input checked="" type="checkbox"/>		Elevated Work	<u>Proper safety measures in place to conduct work</u>
	<input checked="" type="checkbox"/>	Environmental Conditions	
<input checked="" type="checkbox"/>		Heavy Powered Mobile Equipment Use	<u>GFCIs on generator &amp; other powered equip.</u>
	<input checked="" type="checkbox"/>	Language / Communication Difficulties	
	<input checked="" type="checkbox"/>	Materials to be used	
<input checked="" type="checkbox"/>		Overhead Work / Rigging	<u>Overview rigging prior to work / utilizing no personnel under rigging</u>
	<input checked="" type="checkbox"/>	Special Equipment to be used	
	<input checked="" type="checkbox"/>	Trenching / Excavation	
	<input checked="" type="checkbox"/>	Utilities System tie-in / restrictions	
		Other Risks or Hazards	

<b>Required Precautions &amp; Protective Measures</b>			Be sure that each identified Risk or Hazard is addressed
Need	N/A	Area	Specific measures that are required
<input checked="" type="checkbox"/>		Access & Egress Plans (People & Equipment)	<u>Refer to SES HASP</u>
	<input checked="" type="checkbox"/>	Barricades needed	
	<input checked="" type="checkbox"/>	BASF equipment / materials to be used	
	<input checked="" type="checkbox"/>	Electrical safety equipment required	
	<input checked="" type="checkbox"/>	Elevator use	
<input checked="" type="checkbox"/>		Emergency Equipment	<u>Before Equipment on site as part of SES work</u>
<input checked="" type="checkbox"/>		Emergency Plans / Emergency Responder	
<input checked="" type="checkbox"/>		Fall protection	<u>For work over 4-feet above ground</u>
<input checked="" type="checkbox"/>		First Aid / Medical Treatment provisions	<u>First Aid kit / First Aid trained personnel</u>
	<input checked="" type="checkbox"/>	HOT WORK Procedure requirements	
	<input checked="" type="checkbox"/>	HVAC System requirements	
	<input checked="" type="checkbox"/>	LINE-BREAKING procedure requirements	
	<input checked="" type="checkbox"/>	Scaffolds / decking	
	<input checked="" type="checkbox"/>	Temporary electrical power	
	<input checked="" type="checkbox"/>	Temporary Utilities services	
	<input checked="" type="checkbox"/>	Trench / Excavation Boxes	
	<input checked="" type="checkbox"/>	Other Requirements	



[illegible]



**Warwick Tree Service, Inc.**

## Pre Job Hazard Survey

Date 12-5-18 Weather Condition Sunny  
Crew Leader (print) \_\_\_\_\_ General Foreman James Miller Division # WTree  
Job Location(s) 140 mill st Cranston  
Voltage: 26kw Minimum Approach Distance: 15 feet \_\_\_\_\_ inches  
Nearest Medical Facility Concentra urgent care  
☒ Distribution ☐ Transmission ☐ Mowing ☐ Storm ☐ Chemical Application ☐ Other  
Outage Requested ☐ Yes ☒ No Outage Granted ☐ Yes ☒ No

### Nine to Know

- |                                     |   |   |
|-------------------------------------|---|---|
| 1- 360 Walk around                  | 4- Fall Protection in Use               | 7- Drop Zone Procedures                       |
| 2- Seat Belt Use                    | 5- Minimum Approach Distance Maintained | 8- Chaps While Cutting on the Ground Required |
| 3- Work Zone Protection Established | 6- One Hand Chain Saw Use Prohibited    | 9- Chipping with Harness on Prohibited        |

List all crew members and describe their responsibilities?

James - crane Johnny - bucket Ray - cutter  
Ryan - ground christian - ground

Is equipment in safe working condition? yes

List all personal protective equipment needed ☒ Full Body Harness ☒ Chaps ☒ Hearing Protection

These items are mandatory ☒ Hard Hat ☒ Safety Glasses ☒ Work Boots ☒ High Vis Vest

As a team, review the work plan and the job site. List all hazards that can be identified (use back of sheet if necessary)

construction equip. wires

How will this crew prevent these hazards from resulting in an injury or property damage? \_\_\_\_\_

Spotters

Has the scope of the job changed? If so, what did you discuss? no

Has Drop Zone been established and discussed? yes

Do all crew members understand the boundaries and when the zone can be safely entered? yes



**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
12-5	JOHN LEIGHTON	SFS	7:00	12:00
12-5	Charles McCarthy Jr	SFS	7:00	15:00
12-5	B R/R	SFS	07:00	15:00
12/5	Aaron Ting	AEI	0645	1530
12/5	Joshua Klement	AEI	07:00	1500
12/5	Rock Kowalski	AEI	08:50	11:50
12-5	RYAN SEIB	Warwick Tree	10:56	DO
12-5	Cristian de la Rosa	Warwick Tree	10:57	12:00
12/05	Johnny Straker	Warwick Tree	10:57	—
12/05	Reginald Adams	Warwick Tree	10:58	12:00
12/05	James Martinez	Warwick Tree	10:59	12:00

**DAILY PROJECT REPORT**

Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting

Signature: 

Date: 12/6/2018

**AEI**  
Consultants

Weather: Sunny

Daily

Precipitation: 0"

Temp: 41-26

(Hi - low)

PERSONNEL/EQUIPMENT		
Contractor	No.	
	Superintendent	
	1 Foremen	SES
	H&S/QA Officer	
	1 Operators	SES
	2 Laborers	SES
	Other Trades (Surveyor)	
SubContractor	No.	Company/Firm
	1	Diprete
	7	Total Personnel On Site

Owner/Representative: N/A
AEI Personnel: Aaron Ting 1
Joe Drebaum 1
Visitors On Site: N/A

**MAJOR EQUIPMENT:****EQUIPMENT/MATERIALS RECEIVED:**

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators

CAT 996H Loader, 5 and 1 micron filters, vibratory roller

carbon filtration system, CAT D3C dozer

2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks

4,000 gallon baffle, 10,000 gallon

**WORK COMPLETED:**

Emplaced about 1,103 square feet of Mirafi 180N geotextile fabric. About 35% of the total site has been covered with the geotextile/soil cover.

Imported Common Borrow to backfill stake location: 413-418. About 155.3 cy of Common Borrow was delivered to the site.

Imported about 333.22 tons of Processed Gravel for emplacement over the Mirafi 180N geotextile.

Diprete onsite to locate and stake City of Cranston sewer manhole locations. GPS coordinates provided by Veolia sewer department. Performed survey of completed excavations.

AEI setup perimeter dust monitors and no dust alerts observed onsite.

Change request forwarded to BASF related to pricing and schedule provided by SES to redig of southwest floodway excavation.

About 40 yds of wedge material used as backfill outside floodway, ACT 12/6/18 CL

**HEALTH & SAFETY:**

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature 

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

**ISSUES/CHANGES/RESOLUTIONS:**

Change Request #6 - Southwest Floodway Redig - pending BASF approval.

**DISCUSSIONS/CLIENT DIRECTION:**

N/A





# DAILY WORKSHEET

Date: 12-6-18

Project Number: 18-0315

## CLIENT / SITE INFORMATION

Name: BASF  
 Address: 180 MILL ST  
 CRANSTON RI  
 Contact:

PROJECTS NOTES: MD TO SITE HES TALK. INPUT 7 LOADS OF COMMON  
 BROWN AND 10 LOADS OF GRAVEL THAT WAS SPREAD OVER FABRIC + COMPACTED  
 FILL IN MOST OF CELL 418 WITH COMMON BROWN AND ABOUT 40% OF WEDGE  
 FROM TS AREA. CONTINUE TO FILL BROWN OVER LINER AND PUT SMALL PILES  
 OF GRAVEL TO HOLD IN PLACE. CUMMICK TRUCK PICKED UP LOGS FROM TREE  
 CUTTINGS YESTERDAY. CLEANUP + SECURE SITE. MD BACK TO SHOP  
 35% FABRIC

## LABOR

## MATERIALS / EQUIPMENT / TOOLS

Name	Position	Travel	On-site	Off-site	Travel	Quantity	Item / Description
B. ROFE	FS	5:30	6:30	15:00	16:00		PPE Level: A B C D
C. MC CARTHY	FT	6:30	7:00	15:00	15:30	1	CAT 330
T. LEIGHTON	DP	6:30	7:00	15:00	15:30	1	CAT 966 LOADER
B. SULLIVAN	FT	6:30	7:00	15:00	15:30	1	CAT SKIP Hill
						1	CAT D3 DOZER
						1	ROLLER
						1	TOILET
						1	ROLLOFF CAN
						2	GEN

## SUBCONTRACTORS

## WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_





<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (        )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12/16)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment			
<input checked="" type="checkbox"/>	Field Service Trailer	<input type="checkbox"/>	Roll-off Tractor Truck
<input checked="" type="checkbox"/>	Excavators	<input checked="" type="checkbox"/>	Roll-off containers
<input checked="" type="checkbox"/>	Loader	<input type="checkbox"/>	Dump Truck/Triaxle
<input checked="" type="checkbox"/>	Track Dozer	<input type="checkbox"/>	Dump Trailers
<input checked="" type="checkbox"/>	Skid Steer Loader	<input checked="" type="checkbox"/>	Pickup Utility Trucks
<input checked="" type="checkbox"/>	Frac Tank	<input checked="" type="checkbox"/>	Sump Pump
<input checked="" type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input type="checkbox"/>	Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/>	PROJECT-SPECIFIC HASP
<input type="checkbox"/>	LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/>	OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 12/16 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
		<input type="checkbox"/> PPE GRID	<input checked="" type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input type="checkbox"/> Work Provider Knowledge	<input type="checkbox"/> Prior SWP			
YES	NO	ITEM			YES	NO	Item		
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic				<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields				<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust				<input checked="" type="checkbox"/>	Personal Fall Protection Equipment		
	<input checked="" type="checkbox"/>	Faceshield			<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs			<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank		
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face			<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask				<input checked="" type="checkbox"/>	Welding Protection		
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing				<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces		
<input checked="" type="checkbox"/>		Eyewash Station			<input checked="" type="checkbox"/>		Mobile phone or radios		
<input checked="" type="checkbox"/>		Tyvek Suits			<input checked="" type="checkbox"/>		Insect repellent, sunscreen		
		Other PPE (list)			<input checked="" type="checkbox"/>		High-visibility, reflective vest		

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 12/6 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
<b>PRE-TASK PLAN (PTP)</b>	SES SUPERVISOR: <i>Brian Poe</i>		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)





**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
12/6	B. ROJE	SES	0630	15:00
12/6	Aaron Ting	AEI	0700	1530
12/6	JOHN LEIGHTON	SES	0700	15:00
12/6	Charles McCarthy	SES	0700	1500
12/6	Brett Sullivan	SES	0700	1500
12/6	Joseph Prekunn	AEI	07:15	15:00
12/6	Earle Tammello	A. pre k	10:00	11:00



**DAILY PROJECT REPORT**

Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting

Signature: 

Date: 12/7/2018

**AEI**  
Consultants

Weather: Sunny

Daily

Precipitation: 0"

Temp: 41-26

(Hi - low)

**PERSONNEL/EQUIPMENT**

Contractor	No.	
	1	Superintendent
	1	Foremen
		H&S/QA Officer
	1	Operators
	2	Laborers
		Other Trades (Surveyor)

Owner/Representative: N/A

AEI Personnel: Aaron Ting

Joe Drebaum

Rick Kowalski

Steve Graham

1

1

1

1

SubContractor No. Company/Firm

Visitors On Site: N/A

9 Total Personnel On Site

**MAJOR EQUIPMENT:**

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators  
CAT 996H Loader, 5 and 1 micron filters, vibratory roller  
carbon filtration system, CAT D3C dozer  
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks  
4,000 gallon baffle tank, 10,000 gallon frac

**EQUIPMENT/MATERIALS RECEIVED:****WORK COMPLETED:**

Emplaced about 3037.8 square feet of Mirafi 180N geotextile fabric. About 38% of the total site has been covered with the geotextile/soil cover.  
Imported Common Borrow to backfill stake locations: 413-418 and TP-5 excavation. About 350.6 cy of Common Borrow was delivered to the site.  
Imported about 169.7 tons of Processed Gravel for emplacement over the Mirafi 180N geotextile.  
Emplaced about 1,200 square feet of impermeable liner. SES expecting to mobilize Geoseal equipment to begin seaming separate panels early next week.  
AEI setup perimeter dust monitors and no dust alerts observed onsite.  
AEI/SES conducted weekly project progress meeting. Minutes to be distributed by AEI next week.

**HEALTH & SAFETY:**

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature 

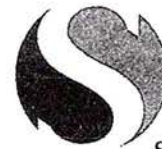
SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

**ISSUES/CHANGES/RESOLUTIONS:**

N/A

**DISCUSSIONS/CLIENT DIRECTION:**

N/A



## DAILY WORKSHEET

Date: 12-7-18

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill St

Cranston RI

Contact:

### PROJECTS NOTES

MOB TO SITE TAILGATE DALK FILL IN CELL #406 WITH  
 COMMON BARROW AND CELL #476 COMMON BARROW LAY OUT ~~LINEAL~~ FABRIC  
 APPROX. 10% FILL MORE LINER IMPACT 5 LAPS OF GRAVEL  
 AND 16 LAPS OF COMMON BARROW. CLEAR UP MOB BACK TO SITE

1200 SQFT LINER AND ADD 3% = 38% OF FABRIC

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROIE	FS	5:30	6:30	13:00	14:00
C. MCCARTHY	FT	6:30	7:00	15:00	15:30
J LEIGHTON	OP	6:00	6:30	15:00	15:30
B SULLIVAN	FT	6:00	6:30	15:00	15:30

### MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 966 LOADER
1	CAT TRACK SKID PULLER
1	CAT D3 DOZER
1	Roller
1	CAT 320 SES
1	TOILET
1	Roll-off CAN

### SUBCONTRACTORS

### WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_



**Project:**  
**BASF Facility**  
**Cranston, RI**  
**Date (12-7)**

SES, Sutton, MA  
(Page \_\_ of \_\_)

### Servicing or Maintenance Work Description

**Description of Work:** CMI Implementation Project

Start Date / Time: (Date) (Time) 12/7/18 0700

Location of Work	180 Mill Street, Cranston, RI
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**Strategic Environmental Services, Inc. (SES)**

Primary/Lead Company Name: SES

Contact Person: BRIAN RIFE

Contact phone # (502) 326-4523

### Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required daily, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

## Health and Safety Meeting

[illegible]

### Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

[illegible]

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12-7)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date</b> <u>12-7</u>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> (Page __ of __)
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Type of Equipment/Vehicles/Motorized Equipment			
<input checked="" type="checkbox"/>	Field Service Trailer	<input type="checkbox"/>	Roll-off Tractor Truck
<input checked="" type="checkbox"/>	Excavators	<input checked="" type="checkbox"/>	Roll-off containers
<input checked="" type="checkbox"/>	Loader	<input type="checkbox"/>	Dump Truck/Triaxle
<input checked="" type="checkbox"/>	Track Dozer	<input type="checkbox"/>	Dump Trailers
<input checked="" type="checkbox"/>	Skid Steer Loader	<input checked="" type="checkbox"/>	Pickup Utility Trucks
<input checked="" type="checkbox"/>	Frac Tank	<input checked="" type="checkbox"/>	Sump Pump
<input checked="" type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input type="checkbox"/>	Other (list)

This work also requires the use of the permits or documents checked below
<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/> OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12-7)</b>	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	<b>SES</b> (Page __ of __)
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

<b>Required Personal Protective Equipment (PPE)</b> Identify the source/s used and check the appropriate boxes									
		<input type="checkbox"/> PPE GRID <input checked="" type="checkbox"/> MSDS <input type="checkbox"/> BASF Knowledge <input type="checkbox"/> Work Provider Knowledge <input type="checkbox"/> Prior SWP							
YES	NO	ITEM	YES	NO	Item				
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic		<input checked="" type="checkbox"/>	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants				
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields		<input checked="" type="checkbox"/>	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants				
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust		<input checked="" type="checkbox"/>	Personal Fall Protection Equipment				
	<input checked="" type="checkbox"/>	Faceshield	<input checked="" type="checkbox"/>		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work				
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs	<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank				
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face	<input checked="" type="checkbox"/>		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other				
	<input checked="" type="checkbox"/>	Dust Mask		<input checked="" type="checkbox"/>	Welding Protection				
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing		<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces				
<input checked="" type="checkbox"/>		Eyewash Station	<input checked="" type="checkbox"/>		Mobile phone or radios				
<input checked="" type="checkbox"/>		Tyvek Suits	<input checked="" type="checkbox"/>		Insect repellent, sunscreen				
		Other PPE (list)	<input checked="" type="checkbox"/>		High-visibility, reflective vest				

<b>Training Requirements</b>		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date</b> <i>(12-7)</i>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>STRATEGIC ENVIRONMENTAL SERVICES</b>  <b>PRE-TASK PLAN (PTP)</b>	<b>PROJECT / JOB / TASK (Description):</b> BASF Cranston/CMI Implementation	<b>LOCATION:</b> 180 Mill Street, Cranston, RI	<b>DATE</b>
<b>SES SUPERVISOR:</b> <i>Brian R. R.</i>			

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)





## Excavated Materials Management Sheet

CMI Soil Remediation

Excavation Date:	Source Location (station, offset, etc.) Cross-Ref w/ Map:	Field Screening Results (PID - ppm):	Sample Date:	Lab Result:	Location in Stockpile Yard (Cross-Ref w/ Map)	Reuse on/offsite	Offsite location	Placement Date:
11/14	CR11 383 2A 4.55							
11/14	CR11 393 2B 140							
11/16	Cell #400 2A <u>new</u> 1.5 yard							
11/20	CR11 #435 R2016 2C 10.05 TON							
11/28	CR11 #480 26 YDS							
11/28	CR11 #462 9 YDS							
11/30	CR11 #398 2A 74 YDS							
12/3	CR11 #388 2A 3 YDS R2016							
12/4	CR11 #396 2A R2016 4.45 TON							
12/4	CR11 #377 9.25 R2016 2B TON							
12/5	STUMP R2016 4.05 TON							

**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
12-7	B ROE	SES	06:30	13:00
12.7	J. LEIGHTON	SES	06:30	15:00
12/7	Aaron Ting	AEI	0645	1515
12/7	Brett Sullivan	SES	0630	1500
12/7	Charles McCarthy Jr	SES	0700-800	1214-1500
12/7	Joseph Pichum	AEI	0700	13:30
12/7	Paul Saccetta	SES	0800	1030
12/7	Rick Kowalski	AEI	0800	10:30
12/7	Stavre Graham	AEI	0740	1010



**DAILY PROJECT REPORT**

Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting

Signature:

Date: 12/10/2018

**AEI**  
Consultants

Weather: Sunny

Daily

Precipitation:

0"

Temp: 37-19

(Hi - low)

**PERSONNEL/EQUIPMENT**

Contractor	No.	
	Superintendent	
	1 Foremen	SES
	H&S/QA Officer	
	1 Operators	SES
	1 Laborers	SES
	Other Trades (Surveyor)	
SubContractor	No.	Company/Firm
	5	Total Personnel On Site

Owner/Representative: N/A	
AEI Personnel:	Aaron Ting 1
	Joe Drebaum 1
Visitors On Site: N/A	

**MAJOR EQUIPMENT:****EQUIPMENT/MATERIALS RECEIVED:**

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators  
CAT 996H Loader, 5 and 1 micron filters, vibratory roller  
carbon filtration system, CAT D3C dozer  
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks  
4,000 gallon baffle tank, 10,000 gallon frac

**WORK COMPLETED:**

Emplaced about 2025.2 square feet of Mirafi 180N geotextile fabric. About 40% of the total site has been covered with the geotextile/soil cover.

Imported about 164.3 cy of Common Borrow to the site for backfill of floodway excavations.

Imported about 201.9 tons of Processed Gravel for emplacement over the Mirafi 180N geotextile.

Redig Type 2A soils. About 3 cy removed and added to the onsite 18-cy roll off container for future transport to the RIRRC facility in Johnston, RI.

Finished cutting the wedge along the Lot 2630 property boundary. About 1-2 cy of soil removed.

SES assisted AEI with investigating location of sewer manholes for City of Cranston/Veolia. The potential locations of the manholes were surveyed last week using the GPS coordinates provided by Veolia. No SMH were identified on Lot 1102. Photos and information will be sent to Veolia.

AEI setup perimeter dust monitors and no dust alerts observed onsite.

Conducted a soil erosion and sediment control plan inspection. No issues noted.

**HEALTH & SAFETY:**

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

**ISSUES/CHANGES/RESOLUTIONS:**

N/A

**DISCUSSIONS/CLIENT DIRECTION:**

N/A



## DAILY WORKSHEET

Date: 12-10-18

Project Number: 13-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill St

Contact:

### PROJECTS NOTES

mob to site Tailcoat Tail. SET UP RAIL RST  
 Fabric cover + compact. <sup>40% complete</sup> START TO FILL IN CELL #459 WITH COMMON  
 borrow. DIG 2 TEST PITS LOOKING FOR SLOPE. MOVE 20K FILL  
 INTO PLACE AND DIG 3T OUT OF CELL #398 2A PLACE INTO ROLLABLE  
 6 CUADS GRNBL & ~~LAKE~~ COMMON ~~TAIL~~ borrow. CLEAN UP  
 mob back to site

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B. ROSE	FS	6:30	7:30	15:00	16:00
J. HEFNER	FT	6:30	7:30	15:00	16:00
J. LIZGHTON	OP	6:30	7:30	15:00	16:00

### MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 966
1	CAT SKID
1	ROLLER
1	D3 DOZER
1	320 SES
1	TOILET
2	EGEN
1	Roll poly

### SUBCONTRACTORS

### WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_





<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date</b> (12-10)	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12-10)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment			
<input checked="" type="checkbox"/>	Field Service Trailer	<input type="checkbox"/>	Roll-off Tractor Truck
<input checked="" type="checkbox"/>	Excavators	<input checked="" type="checkbox"/>	Roll-off containers
<input checked="" type="checkbox"/>	Loader	<input type="checkbox"/>	Dump Truck/Triaxle
<input checked="" type="checkbox"/>	Track Dozer	<input type="checkbox"/>	Dump Trailers
<input checked="" type="checkbox"/>	Skid Steer Loader	<input checked="" type="checkbox"/>	Pickup Utility Trucks
<input checked="" type="checkbox"/>	Frac Tank	<input checked="" type="checkbox"/>	Sump Pump
<input checked="" type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input type="checkbox"/>	Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/>	PROJECT-SPECIFIC HASP
<input type="checkbox"/>	LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/>	OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12-10)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
		<input type="checkbox"/> PPE GRID	<input checked="" type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input type="checkbox"/> Work Provider Knowledge	<input type="checkbox"/> Prior SWP			
YES	NO	ITEM			YES	NO	Item		
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic				<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields				<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust				<input checked="" type="checkbox"/>	Personal Fall Protection Equipment		
	<input checked="" type="checkbox"/>	Faceshield			<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs			<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank		
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face			<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask				<input checked="" type="checkbox"/>	Welding Protection		
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing				<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces		
<input checked="" type="checkbox"/>		Eyewash Station			<input checked="" type="checkbox"/>		Mobile phone or radios		
<input checked="" type="checkbox"/>		Tyvek Suits			<input checked="" type="checkbox"/>		Insect repellent, sunscreen		
		Other PPE (list)			<input checked="" type="checkbox"/>		High-visibility, reflective vest		

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date</b> (12-10)	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
<b>PRE-TASK PLAN</b> <b>(PTP)</b>	SES SUPERVISOR: <i>Brian Roß</i>		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input checked="" type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)





**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

[illegible]

[illegible]





## SESC Plan Inspection Report

Project Information			
Name	Former Ciba-Geigy Facility		
Location	180 Mill Street, Cranston, RI (Lot 1102)		
DEM Permit No.	18-0048/RIR101724		
Site Owner	Name Joseph Guarnaccia	Phone 973-245-5269	Email Joseph.guarnaccia@basf.com
Site Operator	Name Brian Roe	Phone _____	Email broe@strategic-es.com
Inspection Information			
Inspector Name	Name Aaron C. Ting	Phone 978-577-7138	Email ating@aeiconsultants.com
Inspection Date	12/10/18	Start/End Time	0800-0830
Inspection Type <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event <input type="checkbox"/> Other			
Weather Information			
Last Rain Event Date: N/A    Duration (hrs):    Approximate Rainfall (in):			
Rain Gauge Location & Source: On-site weather station (Davis Vantage Pro)			
Weather at time of this inspection: Sunny, 37°F			

Check statement that applies then sign and date below:

- ☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.
- ☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

Inspector:	Print Name	Signature	Date
	Aaron C. Ting		12/10/18
The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.			
Operator:	Print Name	Signature	Date
	Brian Roe		12/10/18

**Site-specific Control Measures**

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site Exit including decontamination pad	RIDOT Standard Specifications  RI Soil Erosion and Sediment Control Book	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see attached photolog - decon pad being moved	
2	Project-wide including material stockpiles	Perimeter – compost filter socks (RIDOT 9.2.0); Stockpiles – haybales (RIDOT standard specification 206, 212)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo log	
3	Project wide including material stockpiles	RI SESC Handbook  Water for dust control/cover stockpiles  RIDOT Standard Specification/RISEC Handbook	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No stockpiled material during inspection	
4	Adjacent Roads	Roads adjacent to construction site shall be clean at the end of each workday	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photolog ↓	
5	Project-wide	Pickup construction trash/debris	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
6	Project-wide	Spill prevention/spill containment measures	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	↓	
7			<input type="checkbox"/> Yes <input type="checkbox"/> No		
8			<input type="checkbox"/> Yes <input type="checkbox"/> No		



**General Site Issues**

Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Wedge cut in some areas along prop. boundary in lieu of CRS/SF	
2	Are appropriate limits of disturbance (LOD) established?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
6	Were all exposed soils seeded by October 15 <sup>th</sup> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
8	In instances where adequate vegetative stabilization was not established by November 15 <sup>th</sup> , have non-vegetative erosion control measures must be employed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
9	If work is to continue from October 15 <sup>th</sup> through April 15 <sup>th</sup> , are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo log ↓	
17	Is the operator maintaining sediment controls in accordance with the requirements in the RI SESC Handbook?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
24	Has the site operator taken steps to <b>prohibit</b> the following pollutant discharges on the site?			
a	Contaminated groundwater.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo log	



	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	
e	Soaps or solvents used in vehicle and equipment washing.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
f	Toxic or hazardous substances from a spill or other release.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	✓	
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	✓	

Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
exposed to stormwater?			
Are stockpiles located within the limits of disturbance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo 109	
Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
(Other)			




General Field Comments:

## Photos:

Photo #: 1	Station: Northwest Site Description: Roll-off container containing impacted soil.
	
Photo #: 2	Station: Northwest Site Description: Construction entrance and roadway cleared on Mill Street.
	



Photo #: 3	Station: North Site
	Description: CFS located on northern property boundary. Note, wedge cut made to accept final clean soil cover advanced in front of CFS.

Photo #: 4	Station: East Site
	Description: CFS located along the riverway on the eastern boundary of the site.

<p>Photo #: 5</p> 	<p>Station: Southwest Site</p> <p>Description: Staked silt fence along southwestern boundary of site.</p>
<p>Photo #: 6</p> 	<p>Station: South Site</p> <p>Description: Fractionation tanks for managing of groundwater removed from excavations.</p>



Photo #: 6

Station: South Site

Description: CFS located on the southern side of the property boundary.



**AEC**  
Consultants

Submitted By: Aaron C. Ting  
Signature: \_\_\_\_\_  
Date: 12/11/2018

Daily  
Precipitation: 0" Temp: 37-19  
(Hi - low)

PERSONNEL/EQUIPMENT			(Hi - low)	
Contractor	No.		Owner/Representative: N/A	
	___ Superintendent	___	___	
	___ Foremen	___	___	
	___ H&S/QA Officer	___	AEI Personnel: Aaron Ting 1	
	<u>1</u> Operators	SES	Joe Drebaum 1	
	<u>2</u> Laborers	SES	___	
	___ Other Trades (Surveyor)	___	___	
SubContractor	No.	Company/Firm	Visitors On Site: N/A	
	___	___	___	
	___	___	___	
	___	___	___	
	<u>5</u> Total Personnel On Site		___	

## EQUIPMENT/MATERIALS RECEIVED:

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators	4,000 gallon baffle tank demobilization
CAT 996H Loader, 5 and 1 micron filters, vibratory roller	
carbon filtration system, CAT D3C dozer	
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks	
10,000 gallon frac	

Emplaced about 2025.2 square feet of Mirafi 180N geotextile fabric. About 40% of the total site has been covered with the geotextile/soil cover. 42 ACT 12/11/18 RE

Emplaced about 1,100 square feet of impermeable liner. Seaming operation is expected to begin later this week for the separate liner panels.

Imported about 164.4 cy of Common Borrow to the site for backfill of floodway excavations.

Imported about 169.2 tons of Processed Gravel for emplacement over the Mirafi 180N geotextile.

Redig Type 1B soils from floodway. About 4.6 cy removed and utilized as onsite backfill. AEI collected post excavation soil samples for PCB analysis (laboratory only due to locations in the floodway).

AEI setup perimeter dust monitors and no dust alerts observed onsite.

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

Change Order Request #5 - importation and emplacement of sand bedding to be issued to BASF for review and approval.

## N/A





## DAILY WORKSHEET

Date: 12/11/2018

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill St. Cranston, RI

Contact:

### PROJECTS NOTES

• H&S Meeting • 8 concrete borrow trucks • 5 processed trucks • Let frac off-site • Sampled 1B Soil • Layed 1100 SF membrane • Graded & rolled Layed material • Backfilled Portion of excavations

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
C. McCarthy JR	Super	630	700	1500	1530
J. Leighton	Oper.	630	700	1500	1530
S. HeFner	Oper.	630	700	1400	1430

### MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	Cat 320
1	Cat 966 Loader
1	Cat Skid steer

### SUBCONTRACTORS

### WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_





<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 12/11 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 12/11 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment	
<input checked="" type="checkbox"/> Field Service Trailer	<input type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input type="checkbox"/> Dump Truck/Triaxle
<input checked="" type="checkbox"/> Track Dozer	<input checked="" type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input checked="" type="checkbox"/> Pickup Utility Trucks
<input checked="" type="checkbox"/> Frac Tank	<input checked="" type="checkbox"/> Sump Pump
<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzall	<input type="checkbox"/> Other (list)

<b>This work also requires the use of the permits or documents checked below</b>
<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/> OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (      )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> (Page __ of __)
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

<b>Required Personal Protective Equipment (PPE)</b> Identify the source/s used and check the appropriate boxes <input type="checkbox"/> PPE GRID <input checked="" type="checkbox"/> MSDS <input type="checkbox"/> BASF Knowledge <input type="checkbox"/> Work Provider Knowledge <input type="checkbox"/> Prior SWP									
YES	NO	ITEM	YES	NO	Item				
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic		<input checked="" type="checkbox"/>	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants				
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields		<input checked="" type="checkbox"/>	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants				
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust		<input checked="" type="checkbox"/>	Personal Fall Protection Equipment				
	<input checked="" type="checkbox"/>	Faceshield	<input checked="" type="checkbox"/>		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work				
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs	<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank				
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face	<input checked="" type="checkbox"/>		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other				
	<input checked="" type="checkbox"/>	Dust Mask		<input checked="" type="checkbox"/>	Welding Protection				
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing		<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces				
<input checked="" type="checkbox"/>		Eyewash Station	<input checked="" type="checkbox"/>		Mobile phone or radios				
<input checked="" type="checkbox"/>		Tyvek Suits	<input checked="" type="checkbox"/>		Insect repellent, sunscreen				
		Other PPE (list)	<input checked="" type="checkbox"/>		High-visibility, reflective vest				

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 12 / 11 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>STRATEGIC ENVIRONMENTAL SERVICES</b>  <b>PRE-TASK PLAN (PTP)</b>	<b>PROJECT / JOB / TASK (Description):</b> BASF Cranston/CMI Implementation	<b>LOCATION:</b> 180 Mill Street, Cranston, RI	<b>DATE</b>
<b>SES SUPERVISOR:</b> <i>Charles McCarthy JR</i>			

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

<b>Task List (Check off AND Circle today's activities)</b>	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

<b>Tasks, Potential Hazards, and Recommended Actions or Procedures</b>				
<b>Today's Activities (Check Each)</b>	<b>Task Number(s)</b>	<b>Hazards</b>	<b>Relative Hazard / Risk Rating*</b>	<b>Hazard Controls Mechanism and/or JSA (See HASP)</b>
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B20 Vehicle Use: All JSA
<input checked="" type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B22 Working from Heights (<4 feet)





12/11

**BASF**

**180 Mill Street, Lot 1102**

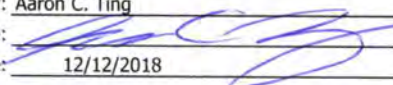
**Cranston, RI**[illegible]



**DAILY PROJECT REPORT**

Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting

Signature: 

Date: 12/12/2018

**AEI**  
Consultants

Weather: Sunny

Daily

Precipitation: 0"

Temp: 37-17

(Hi - low)

**PERSONNEL/EQUIPMENT**

Contractor	No.	
		Superintendent
	1	Foremen
		H&S/QA Officer
	1	Operators
	3	Laborers
		Other Trades (Surveyor)

SubContractor	No.	Company/Firm
	7	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel:	
Aaron Ting	1
Joe Drebaum	1

Visitors On Site: N/A

**MAJOR EQUIPMENT:**

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators  
CAT 996H Loader, 5 and 1 micron filters, vibratory roller  
carbon filtration system, CAT D3C dozer  
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks  
10,000 gallon frac

**EQUIPMENT/MATERIALS RECEIVED:**

Geoseal sprayer and heater

**WORK COMPLETED:**

Began seaming separate impermeable liner panels using Geoseal.

Imported about 80.3 cy of Common Borrow to the site for backfill of floodway excavations.

Imported about 171.4 tons of Processed Gravel for emplacement over the Mirafi 180N geotextile.

AEI setup perimeter dust monitors and no dust alerts observed onsite. One dust monitor malfunctioning and requested replacement by SES. To be replaced next day.

one MW (MP-ID) destroyed during re-grading operation. Needs to be removed by SES. AC 12/12/18 CL

**HEALTH & SAFETY:**

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature 

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

**ISSUES/CHANGES/RESOLUTIONS:**

BASF approved CO#5 - importation and emplacement of sand bedding for electrical

**DISCUSSIONS/CLIENT DIRECTION:**

N/A



## DAILY WORKSHEET

Date: 12/12/2018

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill St. Cranston, RI

Contact:

### PROJECTS NOTES

- H&S Meeting • 4 Trucks Conton Delivered • 5 Trucks processed Delivered.
- Prep TPS Area for pumping • Continued Backfilling & grading • 2 sacks 600-sacked Aprax 200 ft.

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
R. Frick	F.T	600	700	1500	1600
J. Hebert	Opel	630	700	1500	1530
S. Leighton	Opel	630	700	1500	1530
C. McCarthy	Super	630	700	1500	1530
B. Roe	Polished	600	700	900	

### MATERIALS / EQUIPMENT / TOOLS

Quantity Item / Description  
 PPE Level: A B C D

### SUBCONTRACTORS

### WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date</b> (12/12)	<b>DAILY SAFE WORK FORM No. __</b>	<b>SES, Sutton, MA</b> <b>(Page __ of __)</b>
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<b>Servicing or Maintenance Work Description</b>	
Description of Work: CMI Implementation Project	
Start Date / Time: (Date) (Time) 12/12/18 0700	
Location of Work	180 Mill Street, Cranston, RI

<b>Strategic Environmental Services, Inc. (SES)</b>	
Primary/Lead Company Name: SES	
Contact Person: <i>Brian Ratz</i>	
Contact phone # <i>520 326-6573</i>	

<p><b>Health and Safety (H&amp;S) Plan (HASP) Signatures</b></p> <p>Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&amp;S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required <u>daily</u>, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.</p>	
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 12/12 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12/12)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment			
<input checked="" type="checkbox"/>	Field Service Trailer	<input type="checkbox"/>	Roll-off Tractor Truck
<input checked="" type="checkbox"/>	Excavators	<input checked="" type="checkbox"/>	Roll-off containers
<input checked="" type="checkbox"/>	Loader	<input type="checkbox"/>	Dump Truck/Triaxle
<input checked="" type="checkbox"/>	Track Dozer	<input type="checkbox"/>	Dump Trailers
<input checked="" type="checkbox"/>	Skid Steer Loader	<input checked="" type="checkbox"/>	Pickup Utility Trucks
<input checked="" type="checkbox"/>	Frac Tank	<input checked="" type="checkbox"/>	Sump Pump
<input checked="" type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input checked="" type="checkbox"/>	Other (list) <i>Geosreal equip.</i>

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/>	PROJECT-SPECIFIC HASP
<input type="checkbox"/>	LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/>	OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (1/2/12)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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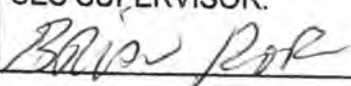
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS		<input type="checkbox"/> BASF Knowledge		<input type="checkbox"/> Work Provider Knowledge		<input type="checkbox"/> Prior SWP	
YES	NO	ITEM				YES	NO	Item	
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic					<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket <input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields					<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket <input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust					<input checked="" type="checkbox"/>	Personal Fall Protection Equipment	
	<input checked="" type="checkbox"/>	Faceshield				<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs				<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank	
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face				<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask					<input checked="" type="checkbox"/>	Welding Protection	
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing					<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces	
<input checked="" type="checkbox"/>		Eyewash Station				<input checked="" type="checkbox"/>		Mobile phone or radios	
<input checked="" type="checkbox"/>		Tyvek Suits				<input checked="" type="checkbox"/>		Insect repellent, sunscreen	
		Other PPE (list)				<input checked="" type="checkbox"/>		High-visibility, reflective vest	

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date</b> (12/12)	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>STRATEGIC ENVIRONMENTAL SERVICES</b>  <b>PRE-TASK PLAN (PTP)</b>	<b>PROJECT / JOB / TASK (Description):</b> BASF Cranston/CMI Implementation	<b>LOCATION:</b> 180 Mill Street, Cranston, RI	<b>DATE</b>
<b>SES SUPERVISOR:</b> 			

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard / Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input checked="" type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (      )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input checked="" type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input checked="" type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

**Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:**

*Discussed additional safety precautions related to the General operation.*



**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
12/12/1	B ROSE	SFS	07:00	9:00
12/12	J LEIGHTON	SFS	07:01	3:00
12/12	J Hefner	SFS	07:00	3:00
12/12	R FRICK	SFS	07:00	3:00
12/12	T. McCarthy	SFS	07:02	3:00
12/12	Joseph Brebun	AEI	07:00	10:00
12/12	Aaron Ting	AEI	07:00	14:00

**DAILY PROJECT REPORT**

Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting

Signature: \_\_\_\_\_

Date: 12/13/2018

**AEI**  
Consultants

Weather: Sunny

Daily

Precipitation: 0"

Temp: 35-27

(Hi - low)

**PERSONNEL/EQUIPMENT**

Contractor	No.	
	Superintendent	
	1 Foremen	SES
	H&S/QA Officer	
	1 Operators	SES
	5 Laborers	SES
	Other Trades (Surveyor)	
SubContractor	No.	Company/Firm
	9	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Aaron Ting

1

Joe Drebaum

1

Visitors On Site: N/A

**MAJOR EQUIPMENT:**

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators  
CAT 996H Loader, 5 and 1 micron filters, vibratory roller  
carbon filtration system, CAT D3C dozer  
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks  
10,000 gallon frac

**EQUIPMENT/MATERIALS RECEIVED:**

Geoseal sprayer and heater

**WORK COMPLETED:**

Continued seaming separate impermeable liner panels using Geoseal.

Re-excavated the B-825 to 833 area in floodway adjacent to TP-5 area to a depth of 13 ft bg. Collected 8 post excavation soil samples. Generated 4 5,000 gal of water dewatering the excavation, pumped into 20K frac tank. Soils were stockpiled on Lot 2682 for placement into rail car. New liquid phase carbon delivered to site to pre-treat the water from excavation prior to off-site disposal. Imported about 278.3 cy of Common Borrow to the site for backfill of floodway excavations.

Imported about 170.4 tons of Processed Gravel for emplacement over the Mirafi 180N geotextile and 20 tons of crushed stone for use to create dewatering sump.

AEI setup perimeter dust monitors and no dust alerts observed onsite.

**HEALTH & SAFETY:**

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature \_\_\_\_\_

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

**ISSUES/CHANGES/RESOLUTIONS:****DISCUSSIONS/CLIENT DIRECTION:**

N/A





## DAILY WORKSHEET

Date: 12-13-14

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST

Contact:

PROJECTS NOTES MIG TO SITE SET UP DRENATHING, FILL B1 AREA  
 NBAR STOCK #420 EXCAVATE AREA 40 YDS OF SILL PUT ACROSS  
 THE BARR ON A POLY PAD + WADDIE BUILT THIS MORNING. LAT FILLER  
 CARBON SYSTEM SET UP GROSSAL AND SPRAYED AREA 25% OF  
 WHAT WAS LAYED OUT. TAKE SAMPLES IN CRILL 420 AREA + BACK FILL

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROE	FS	4:30	5:30	15:30	16:30
J LEIGHTON	OP	6:30	7:00	15:30	16:00
R FRICK	FT	6:00	7:00	15:00	16:00
M. JAMES	FT	6:00	7:00	15:30	16:00
J HARNER	FT	6:30	7:00	15:00	15:30
C MCCARTHY	FT	6:30	7:00	15:30	16:00

### MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 906 LUMBER
1	CAT 5 KID
1	CAT D3
1	ROLLER
1	TOILET
1	ROLLER
1	GEO MACHINER
2	GEN
1	CAT 320 SPS

### SUBCONTRACTORS

Harb Holding TRIAL

### WEATHER OBSERVATIONS

Project Manager's Signature:

Client's Signature:





<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date</b> <i>12/13</i>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12/13)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment	
<input checked="" type="checkbox"/> Field Service Trailer	<input checked="" type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input type="checkbox"/> Dump Truck/Triaxle
<input checked="" type="checkbox"/> Track Dozer	<input type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input type="checkbox"/> Pickup Utility Trucks
<input checked="" type="checkbox"/> Frac Tank	<input checked="" type="checkbox"/> Sump Pump
<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzail	<input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP	
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT	
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM	
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT	
<input type="checkbox"/> OTHERS (LIST)	

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date</b> (12/13)	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
		<input type="checkbox"/> PPE GRID	<input checked="" type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input type="checkbox"/> Work Provider Knowledge	<input type="checkbox"/> Prior SWP			
YES	NO	ITEM			YES	NO	Item		
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic				<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields				<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust				<input checked="" type="checkbox"/>	Personal Fall Protection Equipment		
	<input checked="" type="checkbox"/>	Faceshield			<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs			<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank		
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face			<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask				<input checked="" type="checkbox"/>	Welding Protection		
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing				<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces		
<input checked="" type="checkbox"/>		Eyewash Station			<input checked="" type="checkbox"/>		Mobile phone or radios		
<input checked="" type="checkbox"/>		Tyvek Suits			<input checked="" type="checkbox"/>		Insect repellent, sunscreen		
		Other PPE (list)			<input checked="" type="checkbox"/>		High-visibility, reflective vest		

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (12/13)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
<b>PRE-TASK PLAN (PTP)</b>	SES SUPERVISOR: <i>Brian Pote</i>		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)





**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
12/13	B. ROSE	SES	5:30	3:30
12/13	Mike JAMES	SES	7:00	3:30
12/13	Brett Sullivan	SES	6:30	1500
12-13-12	Ryan Frick	SES	0700	1500
12/13	J. Hefner	SES	0700	3:00
12/13	J. LELAND	SES	0700	3:30
12/13	C. McCarthy	SES	0700	3:30
12/13	Aaron Ting	AET	0700	15:30
12/13	Joseph Dehann	AET	09:30	14:30
<del>12/13</del>				



**DAILY PROJECT REPORT**

Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting

Signature: 

Date: 12/14/2018

**AEI**  
Consultants

Weather: Sunny

Daily

Precipitation: 0"

Temp: 46-40

(Hi - low)

PERSONNEL/EQUIPMENT		
Contractor	No.	
	1	Superintendent
	2	Foremen
		H&S/QA Officer
	1	Operators
	4	Laborers
	1	Other Trades (Surveyor)
		SES
		DiPrete
SubContractor	No.	Company/Firm
	12	Total Personnel On Site
Owner/Representative: N/A		
AEI Personnel: Aaron Ting 1		
Joe Drebaum 1		
Rick Kowalski 1		
Visitors On Site: N/A		

**MAJOR EQUIPMENT:****EQUIPMENT/MATERIALS RECEIVED:**

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators

Geoseal sprayer and heater

CAT 996H Loader, 5 and 1 micron filters, vibratory roller

carbon filtration system, CAT D3C dozer

2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks

10,000 gallon frac

**WORK COMPLETED:**

Continued seaming separate impermeable liner panels using Geoseal.

SES continued cutting the wedge along the floodway to facilitate matching the 2 ft cap with the existing floodway grade.

Imported about 194.1 cy of Common Borrow to the site for backfill of floodway excavations.

Imported about 38.9 tons of Processed Gravel for emplacement over the Mirafi 180N geotextile.

AEI setup perimeter dust monitors and no dust alerts observed onsite.

**HEALTH & SAFETY:**

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature 

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

**ISSUES/CHANGES/RESOLUTIONS:****DISCUSSIONS/CLIENT DIRECTION:**

N/A



## DAILY WORKSHEET

Date: 12-14-18

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MITT ST  
CRANSTON RI

Contact:

### PROJECTS NOTES

MOB TO SITE TARGETED TALK. SET UP GEO SEAL  
 ALL SEAM THAT WAS READY ROLL OUT 2% LIME. ROLL OUT 7% MORE  
 FABRIC INPAT 3 LOADS OF GRAVEL AND 8 LOADS OF CEMENT  
 PLACED IN #451 CELL. FIX WEDGES @ SW CORNER OF SITE  
 BACK FILL CELL #390. CLEAN UP FOR WEEKEND. SECURE BUTS

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROE	FS	5:30	6:30		
R FRICK	FT	6:00	7:00		
M JANNOS	FT	6:00	7:00		
A HAYNES	FT	6:00	7:00		
C MCCARTHY	FT	6:30	7:00		
J LEIGHTON	OP	6:30	7:00		

### MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT SKID
1	CAT 966 Loader
1	CAT D3
1	Roller
1	CAT 320 SPS
1	TRILER
1	RAN OFF
1	GEO MACHINE
2	GEN

### SUBCONTRACTORS

### WEATHER OBSERVATIONS

Project Manager's Signature:

Client's Signature:



[illegible]

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (        )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (        )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment			
<input type="checkbox"/>	Field Service Trailer	<input type="checkbox"/>	Roll-off Tractor Truck
<input type="checkbox"/>	Excavators	<input type="checkbox"/>	Roll-off containers
<input type="checkbox"/>	Loader	<input type="checkbox"/>	Dump Truck/Triaxle
<input type="checkbox"/>	Track Dozer	<input type="checkbox"/>	Dump Trailers
<input type="checkbox"/>	Skid Steer Loader	<input type="checkbox"/>	Pickup Utility Trucks
<input type="checkbox"/>	Frac Tank	<input type="checkbox"/>	Sump Pump
<input type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input type="checkbox"/>	Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/>	PROJECT-SPECIFIC HASP
<input type="checkbox"/>	LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/>	OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (      )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
		<input type="checkbox"/> PPE GRID	<input checked="" type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input type="checkbox"/> Work Provider Knowledge	<input type="checkbox"/> Prior SWP			
YES	NO	ITEM			YES	NO	Item		
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic				<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields				<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust				<input checked="" type="checkbox"/>	Personal Fall Protection Equipment		
	<input checked="" type="checkbox"/>	Faceshield			<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs			<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank		
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face			<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask				<input checked="" type="checkbox"/>	Welding Protection		
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing				<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces		
<input checked="" type="checkbox"/>		Eyewash Station			<input checked="" type="checkbox"/>		Mobile phone or radios		
<input checked="" type="checkbox"/>		Tyvek Suits			<input checked="" type="checkbox"/>		Insect repellent, sunscreen		
		Other PPE (list)			<input checked="" type="checkbox"/>		High-visibility, reflective vest		

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>		BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (      )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
<b>PRE-TASK PLAN</b> <b>(PTP)</b>	SES SUPERVISOR:		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input type="checkbox"/>	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input type="checkbox"/>	Task 4 – Transportation and Disposal of Contaminated Material
<input type="checkbox"/>	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)





12-114  
Friday

**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
12/14	J. LEIGHTON	SES	7:00	15:00
12/14	C. McCarthy IV	SES	7:08 - 8:10	11:50 - 15:00
12/14	Andrew Hayer	SES	7:00	15:00
12/14	B. POKR	SES	06:30	15:00
12/14	Michael James	SES	7:30	15:00
12/14	Aaron Tung	AET	07:00	15:15
12/14	Earle Tammelleo	Diprete	07:00	08:00
12/14	Ryan Frick	SES	7:00	15:00 <del>08:30</del>
12/14	Rizic Kowalski	AET	08:05	12:30
12/14	B. Muddock	SES	08:15	09:55
12/14	Paul Soccente	SES	08:00	10:45

# DAILY PROJECT REPORT



Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting  
 Signature: \_\_\_\_\_  
 Date: 12/17/2018

Weather: Rain

Daily  
 Precipitation: 0.05" Temp: 42-36  
 (Hi - low)

PERSONNEL/EQUIPMENT			
Contractor	No.		Owner/Representative: N/A
		Superintendent	
	1	Foremen	SES
		H&S/QA Officer	
	1	Operators	SES
	2	Laborers	SES
		Other Trades (Surveyor)	
SubContractor	No.	Company/Firm	AEI Personnel: A Rick Kowalski 1
	4	Veolia (sewer easement)	Joe Drebaum 1
	10	Total Personnel On Site	
			Visitors On Site: N/A

MAJOR EQUIPMENT:	EQUIPMENT/MATERIALS RECEIVED:
1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators	
CAT 996H Loader, 5 and 1 micron filters, vibratory roller	
carbon filtration system, CAT D3C dozer	
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks	
4,000 gallon baffle tank, 10,000 gallon frac	

WORK COMPLETED:
Emplaced Mirafi 180N geotextile fabric and covered with gravel. About 50% of the total site has been covered with the geotextile/soil cover.
Imported about 106 cy of Common Borrow to the site for backfill of floodway excavations.
Imported about 573.3 tons of Processed Gravel for emplacement over the Mirafi 180N geotextile.
Set-up carbon treatment system and treated 4,000 gallons of water.
AEI assisted Veolia with investigating location of sewer manholes for City of Cranston.
AEI setup perimeter dust monitors and no dust alerts observed on site.

HEALTH & SAFETY:
AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."
AEI Signature <u>[Signature]</u>
SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:
N/A

DISCUSSIONS/CLIENT DIRECTION:
N/A





# DAILY WORKSHEET

Date: 12-17-18

Project Number: 18-0315

## CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST

CRANSTON RI

Contact:

## PROJECTS NOTES

mob to SITE TRAILGATE H35 Rollout About  
 10% MORE FABRIC AND COVER + CAMPOUT. SET UP CARBO-SYSTEM  
 AND PUMP ABOX 4K OF WATER TREAT IN CARBON TO KEEP WORK  
 OVER NIGHT ~~FOR~~ DECOR HILLVIEW 300 FOR REMOVAL. CLEANUP  
 AND mob back TO SHOP

IMPORT 18 LOADS OF GRAVEL + 5 LOADS OF COMMER

## LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B. ROE	FS	6:00	7:00	15:00	16:00
J HERNAN	PT	5:30	7:00	15:00	16:00
C. MC CARTHY	OP	5:30	7:00	15:00	16:00
J LEIGHTON	OP	5:30	7:00	13:30	14:00

## MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT D3
1	CAT 96C Hillview
1	CAT 5140
1	Roller
1	CAT 320 SES
1	Roll off CA
1	TRAILER
2	GEN
1	2" TRASH PUMP
1	2" SLO
2	TANK HEATERS
1	GRD MATHS

## SUBCONTRACTORS

## WEATHER OBSERVATIONS

Project Manager's Signature:

Client's Signature:

**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
11/17	B. ROE	SES	7:00	15:00
12/17	J. Helmer	SES	0700	1500
12/17	J. LEIGHTON	SES	0700	1:30
12/17	C. McCarthy D	SES	0700	1500
12/17	Joseph Dippmann	AET	0710	1520
12/17	Rick Kowalski	AET	7:55	8:35
12-17-2018	Ted De more	VEOLIA	1:02	1:30
12-17	ANTHONY DEMAIO	VEOLIA	1:03	1:35
12-17-18	Richard Salisbury	11	1:03	1:30
12/17/18	Kyle Phillips	VEOLIA	1:04	1:30
12-18-2018				





<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date</b> <i>(12/17)</i>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page ___ of ___)</b>
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